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Washington, DC 20231

PATENT  
Attorney Docket No.: CP0005US

#74  
9/26/02  
amr

On Sept. 12, 2002

By Scott Hewett  
Scott Hewett



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: HUNG et al.

Application No.: 09/736,731

Filed: December 11, 2000

For: METHOD AND APPARATUS  
FOR SCANNING ELECTRONIC  
BARCODES

Examiner: LABAZE, E.

Art Unit: 2876

AMENDMENT

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Assistant Commissioner for Patents  
Box NON-FEE AMENDMENT  
Washington, DC 20231

Dear Sir:

In response to the non-final Office action mailed on July 5, 2002, please amend the above-identified application as follows. The undersigned believes that no fee is required for this amendment; however, if a fee is required, the Commissioner is hereby authorized to charge any necessary fee or credit any overpayment to USPTO Deposit Account No. 50-0891.

Six size A4 sheets of formal drawings with a Letter to the Official Draftsperson were filed March 29, 2001; however, they were not indicated on the Office Action Summary. Six sheets of substitute formal drawings and a Letter to the Official Draftsperson are enclosed with the amended Fig. 3B as it would stand pending approval of the Examiner. Entry of the formal drawings into the case is respectfully requested.

IN THE FIGURES

Please amend Fig. 3B as shown in red on the marked-up version of the as-filed drawing. Substitute formal drawings with the amended Fig. 3B and a Letter to the

Official Draftsperson are enclosed. If the amended Fig. 3B is acceptable, please enter the substitute formal drawing into the file history.

IN THE WRITTEN DESCRIPTION

Please replace paragraph [0030] on page 5 with the following substitute paragraph. A version of the amended paragraph showing the changes made is provided following the Remarks section.

1  
A

[0030] The present invention provides a scanner for scanning computer-readable codes from an electronic display, such as two-dimensional barcodes. Scanners according to the present invention can incorporate both physical features, such alignment shrouds, illumination lamps, a high fill factor CCD camera with multiple pixel blocks for each barcode element, and a CCD camera with a wide spectral response for use with color displays. Scanning systems according to the present invention can also include a number of operating features, such as dynamically adjusting the exposure time to overcome display flicker or variations in brightness or reflectivity of the display screens, automatically re-scaling the scanning system to adapt to displays with non-square pixels, and identifying display type and configuring the scanner accordingly.

IN THE CLAIMS

Please amend claims 5, 9, 14, 17-19, 23, and 27. Please substitute the claims below with the like-numbered claims in the application. A version of the amended claims showing the changes made is provided on the page following the Remarks section.

sub B3 A2

5. The scanner of claim 1 wherein the shroud is configured to place the scanner at a selected oblique angle relative to the surface when the scanner is held against the surface.

sub B4 A3

9. A scanner for reading computer-readable codes, the scanner comprising: